

ABSTRACT OF THE DISCLOSURE

A controllable, multi-mode, bi-directional overrunning clutch assembly and a shift system are adapted for use in a power transmission device. The clutch assembly includes a first ring journaled on a first rotary member, a second ring fixed to a second rotary member, and a plurality of rollers disposed in opposed cam tracks formed between the first and second rings. The first ring is split to define an actuation channel having a pair of spaced end segments. An actuator ring is moveable between positions engaged with and released from the end segments of the first ring. The shift system includes a moveable clutch actuator which controls movement of the actuator ring for establishing engaged and disengaged clutch modes. An alternate embodiment clutch assembly includes first and second rings non-rotatably coupled to one another. A third ring is selectively engageable with a rotary component to transfer power thereto.